Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/24/2020 11:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125608	0	4.04	125655	3.98
Blue	F	SSC	125000	124370	-1	1.43	125053	1.42
Blue	E	FITC	15892	15369	-4	3.19	333	21.73
Blue	D	PE	29999	29040	-4	2.32	631	15.87
Blue	B	PerCP-Cy5-5	43732	43208	-2	4.05	1162	22.20
Blue	A	PE-Cy7	30845	30914	0	6.72	591	44.01
Red	C	APC	46112	44977	-3	2.49	1586	12.39
Red	A	APC-Cy7	30458	29475	-4	2.43	787	12.03
Violet	B	V450	7918	7534	-5	4.54	433	13.09
Violet	A	V500	32171	30386	-6	4.31	709	10.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17145	23.36	657	36	N/A	N/A	Pass
Blue	F	SSC	57312	1.19	586	27	N/A	N/A	Pass
Blue	E	FITC	60	67.07	555	12	0.0164	91	Pass
Blue	D	PE	132	53.18	561	13	0.1379	262	Pass
Blue	B	PerCP-Cy5-5	214	54.73	670	14	0.0076	71	Pass
Blue	A	PE-Cy7	107	114.65	718	20	0.0096	30	Pass
Red	C	APC	381	25.80	590	6	0.0233	149	Pass
Red	A	APC-Cy7	176	29.45	561	5	0.0056	1383	Pass
Violet	B	V450	65	58.83	461	3	0.0489	1862	Pass
Violet	A	V500	105	33.43	476	2	0.0227	649	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.87	-31.63	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.44
Red	14.58	13.60 - 20.40	N/A	N/A	29.25	29.53	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9783

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments